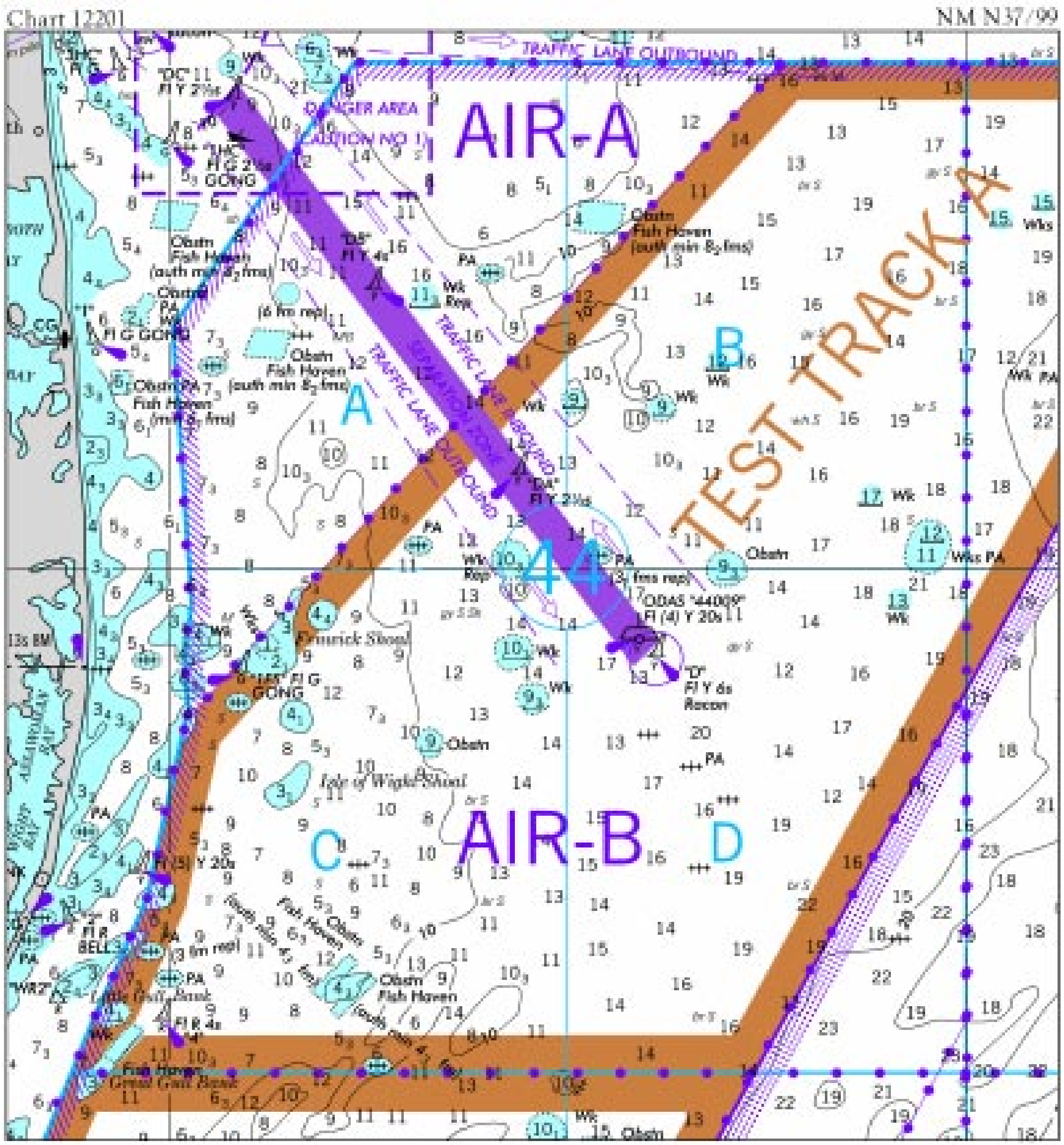
Chart 12201
NM N37/99
AIR-A
AIR-B
TEST TRACK A
A
B
C
D
44
DANGER AREA
CAUTION NO 1
TRAFFIC LANE OUTBOUND
TRAFFIC LANE INBOUND
SEPARATION ZONE
Fenwick Shoal
Isle of Wight Shoal
Great Gull Bank
Little Gull Bank
ODAS "44009"
Fl (4) Y 20s

Chart 94067 NM 37/99

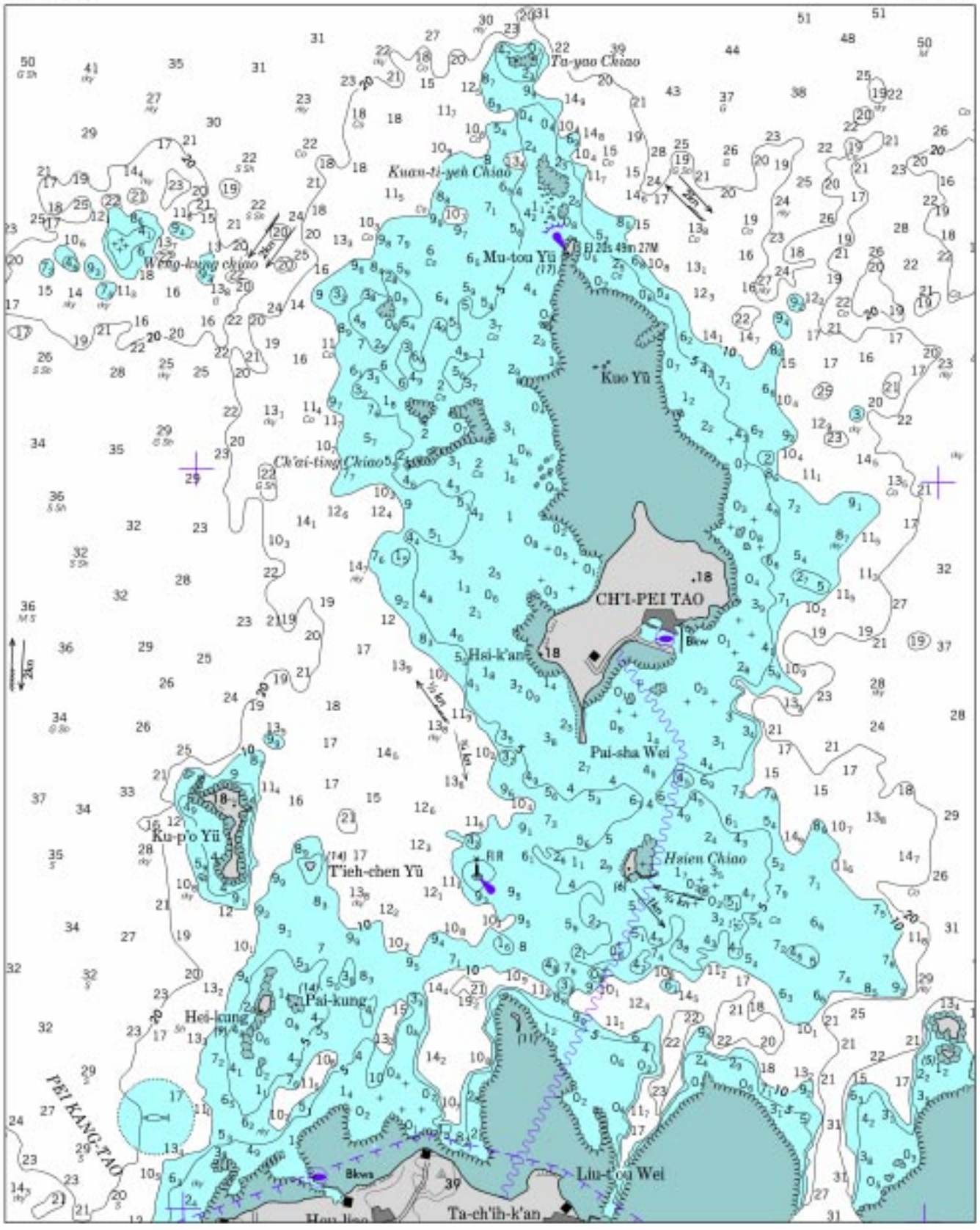

CHART 11363 NM 37/99

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS

CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (METERS)	WIDTH (METERS)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W)			
TO LT. BUOY 20	7.9	183	6-99
THENCE TO END OF JETTY			
OPPOSITE LIGHT 62	8.5	152	4,5,6-99
THENCE TO INTERSECTION WITH			
G. I. W. W.	7.6	152	1,3,4,6-99
THENCE TO INNER HARBOR			
NAVIGATION CANAL	8.2	152	1-99

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

CHART 11364 NM 37/99

MISSISSIPPI RIVER - GULF OUTLET CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS

CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (METERS)	WIDTH (METERS)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W)			
TO LT. BUOY 20	7.9	183	6-99
THENCE TO END OF JETTY			
OPPOSITE LIGHT 62	8.5	152	4,5,6-99
THENCE TO INTERSECTION WITH			
G. I. W. W.	7.6	152	1,3,4,6-99
THENCE TO INNER HARBOR			
NAVIGATION CANAL	8.2	152	1-99

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

CHART 11373 NM 37/99

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO MAY 1999

	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HORN ISLAND PASS CHANNEL	31.5	40.0	40.0	1-99	450	4.4	40
PASCAGOULA CHANNEL	36.0	36.0	25.0	1-99	350	10.8	38
TURNING BASIN	37.0	37.5	37.0	1-99	950	0.4	38
BAYOU CASOTTE CHANNEL	34.8	37.4	34.4	5-99	225	3.3	38
TURNING BASIN	37.0	36.6	37.1	5-99	1000	0.3	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11374 (SIDE B) NM 37/99

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO MAY 1999

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HORN ISLAND PASS CHANNEL	31.5	40.0	40.0	1-99	450	4.4	40
PASCAGOULA CHANNEL	36.0	36.0	25.0	1-99	350	10.8	38
TURNING BASIN	37.0	37.5	37.0	1-99	950	0.4	38
BAYOU CASOTTE CHANNEL	34.8	37.4	34.4	5-99	225	3.3	38
TURNING BASIN	37.0	36.6	37.1	5-99	1000	0.3	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11375 NM 37/99

HORN ISLAND PASS PASCAGOULA HARBOR AND BAYOU CASOTTE CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO MAY 1999

CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
HORN ISLAND PASS CHANNEL	9.6	12.2	12.2	1-99	137	4.4	12.2
PASCAGOULA CHANNEL	10.9	10.9	7.6	1-99	106	10.8	11.6
TURNING BASIN	11.2	11.4	11.2	1-99	289	0.4	11.6
BAYOU CASOTTE CHANNEL	10.6	11.3	10.4	5-99	68	3.3	11.6
TURNING BASIN	11.2	11.1	11.3	5-99	304	0.3	11.6

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11376 NM 37/99

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.5	47.0	41.5	11-98	600	1.7	47
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	42.5	45	43.1	4,5-99	400	11.8	45
UPPER REACH	37.1	40.0	39.0	4,5-99	400	13.4	40-45
MOBILE RIVER:							
PINTO ISLAND REACH	37.1	40.0	35.6	5-99	700-800	0.6	40
MOBILE CHANNEL	38.6	40.0	38.3	5-99	600	1.5	40
MOBILE TURNING BASIN	40.0	39.7	39.1	4-99	200-675	0.4	40
BLAKELEY ISLAND REACH	40.0	38.5	37.5	4-99	500	1.0	40
ST. LOUIS POINT REACH	25.0	25.0	25.0	6-95	500	0.2	25
CHICKASAW CREEK CHANNEL	22.0	25.0	25.0	6-95	250	2.7	25
ARLINGTON CHANNEL	15.5	15.3	14.2	4-98	150	1.4	27
OCEAN TERMINAL TURNING BASIN	16.1	17.9	16.8	4-98	600	0.1	27
THEODORE SHIP CHANNEL:							
BAY CUT	35.0	35.0	34.0	1-99	400	4.5	40
ANCHORAGE AREA	40.0	40.0	40.0	1-99	300	0.2	40
LAND CUT	38.5	40.0	A38.0	10-98	300	1.5	40
TURNING BASIN	40.0	40.0	40.0	10-98	1400	0.3	40
BARGE CHANNEL	12.0	12.0	12.0	4-98	100	1.1	12

A. ROCK OBSTRUCTIONS REPORTED FROM LIGHT "20", CONTINUING FOR APPROXIMATELY 600 FEET EASTWARD. MINIMUM DEPTH OVER ROCKS IS 38 FEET.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11377 NM 37/99

MOBILE BAY AND RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN METERS AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
ENTRANCE CHANNEL	13.8	14.3	12.6	11-98	183	1.7	14.3
MOBILE BAY:							
LOWER REACH (TO LIGHT 50)	13.0	13.7	13.1	4,5-99	122	11.8	13.7
UPPER REACH	11.3	12.2	11.9	4,5-99	122	13.4	12.1-13.7
THEODORE SHIP CHANNEL:							
BAY CUT	10.6	10.6	10.3	1-99	122	4.5	12.2

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11493 NM N37/99

ST. MARY'S ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 1997
AND SURVEYS TO FEB 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.4	46.4	45.0	A 42.1	7-97	500	12.36	46
RANGE A	45.4	47.5	47.1	44.9	2-99	482	1.34	42
RANGE A1, A2	43.6	44.8	43.1	42.4	2-99	591-834	0.66	42
RANGE B	46.6	47.1	47.2	42.0	2-99	582-655	0.55	42
RANGE C	40.1	45.9	46.3	42.3	2-99	498	1.19	42
RANGE D	36.9	43.7	43.4	42.5	2-99	489-498	1.35	42
RANGE E	43.6	43.8	43.2	39.9	2-99	512	0.87	42
RANGE F (WARRIOR REACH)	41.9	41.4	44.5	43.3	2-99	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	38.1	41.4	44.0	41.1	2-99	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	B 38.1	39.8	41.3	40.1	2-99	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	43.9	46.2	44.6	43.7	2-99	493-1425	0.46	42

A. EXCEPT FOR SHOALING TO 36.5 FT AT 30°42'37.2"N, 081° 24' 48.7"W
B. EXCEPT FOR SHOALING TO 22.3 FT AT 30° 47' 40.0"N, 081° 30' 33.3"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11494 NM N37/99

ST. MARY'S ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 1997
AND SURVEYS TO FEB 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.4	46.4	45.0	A 42.1	7-97	500	12.36	46
RANGE A	45.4	47.5	47.1	44.9	2-99	482	1.34	42
RANGE A1, A2	43.6	44.8	43.1	42.4	2-99	591-834	0.66	42
RANGE B	46.6	47.1	47.2	42.0	2-99	582-655	0.55	42
RANGE C	40.1	45.9	46.3	42.3	2-99	498	1.19	42
RANGE D	36.9	43.7	43.4	42.5	2-99	489-498	1.35	42
RANGE E	43.6	43.8	43.2	39.9	2-99	512	0.87	42

A. EXCEPT FOR SHOALING TO 36.5 FT AT 30°42'37.2"N, 081° 24' 48.7"W
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11503 NM 37/99

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 1997
AND SURVEYS TO FEB 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	46.4	46.4	45.0	A 42.1	7-97	500	12.36	46
RANGE A	45.4	47.5	47.1	44.9	2-99	482	1.34	42
RANGE A1, A2	43.6	44.8	43.1	42.4	2-99	591-834	0.66	42
RANGE B	46.6	47.1	47.2	42.0	2-99	582-655	0.55	42
RANGE C	40.1	45.9	46.3	42.3	2-99	498	1.19	42
RANGE D	36.9	43.7	43.4	42.5	2-99	489-498	1.35	42
RANGE E	43.6	43.8	43.2	39.9	2-99	512	0.87	42
RANGE F (WARRIOR REACH)	41.9	41.4	44.5	43.3	2-99	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	38.1	41.4	44.0	41.1	2-99	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	B 38.1	39.8	41.3	40.1	2-99	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	43.9	46.2	44.6	43.7	2-99	493-1425	0.46	42

A. EXCEPT FOR SHOALING TO 36.5 FT AT 30°42' 37.2"N, 081°24'48.7"W.
B. EXCEPT FOR SHOALING TO 22.3 FT AT 30°47'40.0"N, 081°30'33.3"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11514 (SIDE A) NM 37/99

SAVANNAH RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	42.5	46.0	46.0	45.0	6-99	500	1.2	42
WRECKS CHANNEL (A)	40.0	42.0	44.0	43.0	6-99	500	1.5	42
CITY FRONT CHANNEL	43.0	43.0	41.0	38.0	6-99	500	1.5	42
MARSH ISLAND CHANNEL (B)	43.0	44.5	45.0	43.0	6-99	500	1.7	42
KINGS ISLAND CHANNEL (C)	38.0	38.0	41.0	41.0	6-99	500	2.1	42
WHITEHALL CHANNEL (D)	32.0	35.5	37.0	41.0	6-99	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	30.0	30.0	32.0	12-94;11-98;6-99	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 33.5 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 36.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 45.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 39.5 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 28.0 FT, 28.0 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11537 NM 37/99

CAPE FEAR RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JULY 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BALDHEAD SHOAL	37.4	38.3	39.2	37.5	6-99	500	3.0	40
SMITH ISLAND	22.0	38.9	42.2	41.3	6-99	500	1.0	40
BALDHEAD CASWELL CHANNEL	36.6	40.2	41.0	43.1	2-99	500	0.4	40
SOUTHPORT CHANNEL	42.3	42.1	37.2	33.0	2-99	500	1.0	40
BATTERY ISLAND CHANNEL	44.2	46.3	39.8	32.3	2-98	500	0.5	40
LOWER SWASH	36.0	38.5	39.8	35.7	3-99	400	1.6	38
SNOWS MARSH	35.1	38.8	37.3	36.9	2-99	400	3.1	38
HORSESHOE SHOAL	33.7	38.6	37.7	37.5	4-99	400	1.2	38
REAVES POINT	36.6	38.0	37.3	37.0	4-99	400	1.2	38
LOWER MIDNIGHT	36.9	39.2	39.9	38.0	4-99	400	1.6	38
UPPER MIDNIGHT	37.9	39.1	38.9	36.6	4-98	400	2.7	38
LOWER LILLIPUT	37.4	38.7	38.3	36.7	4-99	400	1.9	38
UPPER LILLIPUT	36.2	37.4	37.9	35.3	6-99	400	1.9	38
KEG ISLAND	36.5	38.5	37.0	32.7	4-99	400	1.4	38
BIG ISLAND LOWER	36.2	37.0	37.9	34.1	4-99	400	0.8	38
BIG ISLAND UPPER	38.1	38.7	38.6	36.1	4-99	400	0.5	38
LOWER BRUNSWICK	36.1	38.2	37.0	36.9	4-99	400	1.8	38
UPPER BRUNSWICK	36.5	38.8	39.8	35.8	4-99	400	1.0	38
FOURTH EAST JETTY	37.5	37.8	36.6	35.9	3-99	400	1.2	38
BETWEEN CHANNEL	35.4	39.8	38.0	35.5	4-99	550	0.8	38
ANCHORAGE BASIN & APP CHANNEL	27.5	33.7	32.9	29.5	7-99	450-1090	1.3	38
HWY 74-76 TO BATTLESHIP	30.4	32.4	34.4	29.1	3-99	400	0.6	32
BATTLESHIP TO HWY 117 INCLUDING TURNING BASIN	9.6	28.0	31.6	8.5	3-99	190-850	-	32
HWY 117 TO HILTON BR	28.1	29.6	31.8	26.7	3-99	200-400	0.5	32
THENCE TO END OF PROJECT AT 34°16'36"N, 77°57'01"W	23.1	23.6A	23.5B	21.9C	6-99	200	1.2	25
TURNING BASIN	24.6	21.0	22.2	16.1	6-99	500	0.1	25

A. EXCEPT FOR SHOALING TO 21.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
B. EXCEPT FOR SHOALING TO 16.4 FEET FOR THE LAST 150 FEET OF THE PROJECT.
C. EXCEPT FOR SHOALING TO 10.2 FEET FOR THE LAST 150 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11545 NM 37/99

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUNE 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM 2000 FT NORTH OF LTD. BUOY "8"	42.1	46.8	38.2	26.8A	12-98;1,2-99	450-800	2.26	47
CUTOFF CHANNEL	47.4	49.5	48.1	34.8	3-99	600	0.38	42
MOREHEAD CITY CHANNEL	46.6	45.5	45.9	43.8	3-99	400	1.10	40
TURNING BASIN								
EAST LEG	44.1	45.5	45.9	45.2	5-97;5-98;5,6-99	400-1200	0.70	40
WEST LEG	35.9	35.9	38.9	39.3	5-98;5,6-99	800-1000	0.39	35

A. EXCEPT FOR SHOALING TO 12.0 FT AT 34°41'12.9"N, 76°39'58.2W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11547 NM 37/99

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUNE 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM								
2000 FT NORTH OF LTD. BUOY "8"	42.1	46.8	38.2	26.8A	12-98;1,2-99	450-800	2.26	47
CUTOFF CHANNEL	47.4	49.5	48.1	34.8	3-99	600	0.38	42
MOREHEAD CITY CHANNEL	46.6	45.5	45.9	43.8	3-99	400	1.10	40
TURNING BASIN								
EAST LEG	44.1	45.5	45.9	45.2	5-97;5-98;5,6-99	400-1200	0.70	40
WEST LEG	35.9	35.9	38.9	39.3	5-98;5,6-99	800-1000	0.39	35

A. EXCEPT FOR SHOALING TO 12.0 FT AT 34°41'12.9"N, 76°39'58.2W.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12273 NM 37/99

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 1999

NAME OF CHANNEL	* SEE FOOTNOTE				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
3400 YARDS SOUTH OF POOLES ISLAND TO THE SOUTH END OF POOLES ISLAND	39.3	39.3	38.6	6-99	450	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	39.4	39.3	38.7	7-99	450	4.16	35
WORTON PT. TO HOWELL PT.	38.5	38.4	37.9	7-99	450	4.84	35
HOWELL PT. TO GROVE PT.	38.9	40.4	37.9	7-99	450	3.37	35
GROVE PT. TO TURKEY PT.	36.5	38.0	36.3	7-99	450	3.40	35
TURKEY PT. TO OLD TOWN POINT WHARF	37.1	38.8	36.3	7-99	450	5.45	35
OLD TOWN PT. WHARF TO COURTHOUSE PT.	36.2	36.6	37.5	6-99	450	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.7	34.6	33.3	6-99	450	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	32.9	33.4	33.4	1-99	450	1.51	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS IN NAUTICAL MILES.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12274 NM 37/99

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 1999

NAME OF CHANNEL	* SEE FOOTNOTE			DATE OF SURVEY	PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER		WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
3400 YARDS SOUTH OF POOLES ISLAND TO THE SOUTH END OF POOLES ISLAND	39.3	39.3	38.6	6-99	450	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	39.4	39.3	38.7	7-99	450	4.16	35
WORTON PT. TO HOWELL PT.	38.5	38.4	37.9	7-99	450	4.84	35
HOWELL PT. TO GROVE PT.	38.9	40.4	37.9	7-99	450	3.37	35
GROVE PT. TO TURKEY PT.	36.5	38.0	36.3	7-99	450	3.40	35
TURKEY PT. TO OLD TOWN POINT WHARF	37.1	38.8	36.3	7-99	450	5.45	35
OLD TOWN PT. WHARF TO COURTHOUSE PT.	36.2	36.6	37.5	6-99	450	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.7	34.6	33.3	6-99	450	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	32.9	33.4	33.4	1-99	450	1.51	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS IN NAUTICAL MILES.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12277 NM 37/99

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 1999

NAME OF CHANNEL	* SEE FOOTNOTE			DATE OF SURVEY	PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER		WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
TURKEY POINT TO OLD TOWN POINT WHARF	37.1	38.8	36.3	7-99	450	5.45	35
OLD TOWN POINT WHARF TO COURTHOUSE POINT	36.2	36.6	37.5	6-99	450	1.63	35
COURTHOUSE PT. TO CHESAPEAKE CITY BRIDGE	35.7	34.6	33.3	6-99	450	3.69	35
CHESAPEAKE CITY BRIDGE TO BETHEL	32.9	33.4	33.4	1-99	450	1.51	35
BETHEL TO GUTHRIE BRANCH	32.2	33.6	35.2	12-98	450	1.13	35
GUTHRIE BRANCH TO SUMMIT BRIDGE	37.6	33.4	33.4	1-99	450	1.02	35
SUMMIT BRIDGE TO CONRAIL BRIDGE	36.2	35.3	32.2	2-99	450	1.65	35
CONRAIL BRIDGE TO ST. GEORGES BRIDGE	32.8	36.6	34.9	2-99	450	2.57	35
ST. GEORGES BRIDGE TO BIDDLE POINT	39.3	35.1	33.3	2-99	450	1.58	35
BIDDLE POINT TO REEDY POINT BRIDGE	34.7	35.6	35.3	2-99	450	1.68	35
REEDY POINT BRIDGE TO DELAWARE RIVER	34.8	35.0	34.3	6-99	450	1.63	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS ARE GIVEN IN NAUTICAL MILES UNLESS OTHERWISE INDICATED.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12278 NM 37/99

CHESAPEAKE AND DELAWARE CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 1999

NAME OF CHANNEL	* SEE FOOTNOTE: LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH * (MILES)	DEPTH * (FEET)
3400 YARDS SOUTH OF POOLES ISLAND TO THE SOUTH END OF POOLES ISLAND	39.3	39.3	38.6	6-99	450	1.68	35
SOUTH END OF POOLES ISLAND TO WORTON POINT	39.4	39.3	38.7	7-99	450	4.16	35
WORTON PT. TO HOWELL PT.	38.5	38.4	37.9	7-99	450	4.84	35

* CONTROLLING CHANNEL DEPTHS IN FEET AT LOCAL MEAN LOWER LOW WATER ENTERING FROM CHESAPEAKE BAY. PROJECT LENGTHS IN NAUTICAL MILES.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 12331 NM 37/99

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO MARCH 1999

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
RARITAN BAY-WEST REACH	34.0	39.4	39.3	34.7	11-97	600	2.4	35
SEGUINE POINT BEND	34.3	36.3	39.0	31.1	11-97	600-800	1.2	35
RED BANK REACH	35.5	41.1	41.3	35.0	11-97	600	1.2	35
WARD POINT BEND (EAST)	35.8	39.3	37.7	32.1	11-97	600-800	1.1	35
WARD POINT BEND (WEST)	35.5	35.2	35.6	33.9	11-97	600-800	0.8	35
OUTERBRIDGE REACH	34.1	35.0	35.0	32.2	4-96;11-97	600-800	0.8	35
PORT SOCONY REACH	B20.7	35.2	36.4	32.3	12-92;1-93	600-800	0.8	35
PORT READING REACH	A18.8	36.4	35.9	31.0	12-92;1-93	500	1.8	35
FRESH KILLS REACH	A25.0	33.8	36.3	31.5	12-92;1-93	500	1.8	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	23.6	22.7	22.5	21.9	3-91	400	0.9	30
GREAT BEDS REACH	13.1	15.9	17.2	18.4	6,7-98	300	0.6	25
SOUTH AMBOY REACH	14.6	18.4	18.2	15.9	6,7-98	300	1.2	25

A. THE CHANNEL HAS SHOALED ALONG THE EDGE; A DEPTH OF 30 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.

B. ALONG THE EDGE OF THE CHANNEL.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 13230 NM 37/99

NEW BEDFORD HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 1999 AND SURVEYS TO OCT 1995

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	27.3	29.3	28.8	10-95	350	2.3	30
FT. PHOENIX REACH	24.6	28.1	27.7	10-95	350	1.5	30
NEW BEDFORD REACH	26.3	27.0	24.1	10-95	350-400	1.0	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION